

CE CIT UOB
ITCE260 (Circuit Analysis)

Test 2

Time: 55 minutes

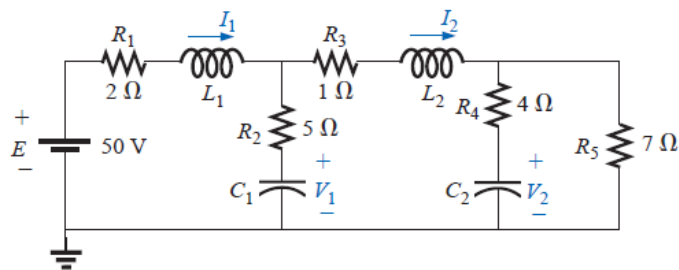
Date: 14 Dec 2014

Dr. Riyadh Al-Hakim

Name:	Sec: 1	ID #:
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Q1 [25 marks]

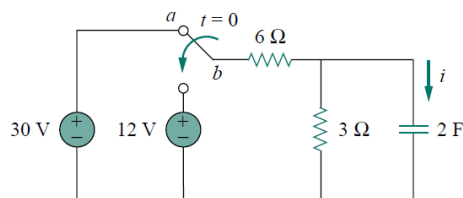
Find the energy stored in L_1 , L_2 , C_1 and C_2



Q2 [35 marks]

The switch was left at position (a) for a long time then moved to position (b) at $t = 0$.

Find the current i at $t = -1 \text{ s}, 0, 2 \text{ s}, 4 \text{ s}, 10 \text{ s}, 20 \text{ s}$ and $t = \infty$



Q3 [40 marks]

Find i_o and represent your answer in time domain, rectangular and polar forms.

